

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) near3 fiber same pump\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 17:25
S1	2	"US 20050169323"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:09
S2	16	(("20050078714") or ("20020159489") or ("5202893") or ("6090102") or ("5317576") or ("5258978") or ("5862278") or ("4786132")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 12:03
S3	7	("4713822"   "4962988"   "5276758"   "5369661"   "5506857"   "5518863"   "5642449").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 12:55
S4	1	fiber near2 (resonator or cavity) same pump\$3 same (spatial adj2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 13:00
S5	18	fiber near2 (resonator or cavity) same pump\$3 and (spatial adj2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:13
S6	23	("20020176454"   "5047668"   "5172390"   "5233462"   "5319668"   "5347527"   "5418802"   "5491714"   "5493575"   "5594744"   "5800767"   "5838720"   "5862162"   "5867512"   "5875053"   "5912910"   "6013221"   "6026100"   "6038239"   "6115401"   "6134250"   "6229828"   "6501591").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 13:14
S7	4	("5172387"   "5182759"   "5485480"   "5594747").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:05
S8	17	("6061170").URPN.	USPAT	OR	ON	2006/10/05 14:05
S9	10	("5008887"   "5412200"   "5448053"   "5513194"   "5815307"   "5832006"   "6061170"   "6084227"   "6118575"   "6278100").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:07
S10	6	("3497828"   "4635263"   "4637025"   "4728168"   "4835778").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:09

## EAST Search History

S11	16	("3624549"   "4949348"   "5008890"   "5067134"   "5111334"   "5115338"   "5170458"   "5226049"   "5237576"   "5251062"   "5291501"   "5321718"   "5375010"   "5379148"   "5432806"   "5485481").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:10
S12	2	fiber near2 (resonator or cavity) same (spatial adj2 filter) and pump\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:14
S13	43	fiber same (resonator or cavity) same (spatial adj2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:14
S14	23	("4246548"   "4479224"   "4813762"   "4818062"   "5027359"   "5081637"   "5115444"   "5139609"   "5217290"   "5365541"   "5369659"   "5600666"   "5608745"   "5661747"   "5745511"   "5787107"   "5802092"   "5923475"   "6021141"   "6075912"   "6212216"   "6243407"   "6385229").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:26
S15	6	("2515862"   "4710940"   "4813762"   "5031991"   "5048911").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:27
S16	4	("4813762"   "4972427"   "5027359"   "5140608").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 14:29
S17	12	("5369659").URPN.	USPAT	OR	ON	2006/10/05 15:10
S18	3815	q\$switch\$3	USPAT	OR	ON	2006/10/05 15:12
S19	5875	q adj2 switch\$3	USPAT	OR	ON	2006/10/05 15:12
S20	5875	S19 not18	USPAT	OR	ON	2006/10/05 15:12
S21	2178	S19 not S18	USPAT	OR	ON	2006/10/05 15:12
S22	120	fiber adj2 laser with (opo q adj2 switch\$3)	USPAT	OR	ON	2006/10/05 15:15
S23	0	fiber adj2 laser with (opo q adj2 switch\$3) same eye adj2 safe	USPAT	OR	ON	2006/10/05 15:15
S24	0	fiber adj2 laser with (opo q adj2 switch\$3) same safety	USPAT	OR	ON	2006/10/05 15:16
S25	11	fiber adj2 laser with (opo q adj2 switch\$3) and eye adj2 safe	USPAT	OR	ON	2006/10/05 15:16

## EAST Search History

S26	21	("4649351"   "4962995"   "4978974"   "5117303"   "5138621"   "5140598"   "5185758"   "5187610"   "5202893"   "5247529"   "5263036"   "5287216"   "5337325"   "5351259"   "5369659"   "5369661"   "5406411"   "5422754"   "5430572"   "5761234"   "RE33722").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 16:39
S27	1	("6317443").URPN.	USPAT	OR	ON	2006/10/05 16:44
S28	25	("20010022566"   "4923273"   "5237576"   "5572357"   "5761234"   "5774484"   "5894489"   "5905745"   "5937134"   "5991068"   "6081366"   "6109751"   "6167075"   "6224216"   "6243515"   "6317443"   "6320885"   "6356574"   "6363088"   "6373863"   "6400736"   "6400746"   "6487338"   "6613042"   "6636274").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 16:46
S29	21	("4649351"   "4962995"   "4978974"   "5117303"   "5138621"   "5140598"   "5185758"   "5187610"   "5205893"   "5247529"   "5263036"   "5287216"   "5337325"   "5351259"   "5369659"   "5369661"   "5406411"   "5422754"   "5430572"   "5485481"   "Re33722").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 16:49
S30	19	("4649351"   "4962995"   "4978974"   "5117303"   "5138621"   "5140598"   "5185758"   "5187610"   "5202893"   "5247529"   "5263036"   "5287216"   "5337325"   "5351259"   "5369659"   "5369661"   "5406411"   "5422754"   "5430572").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 16:49
S31	25	("4097783"   "4281322"   "4649351"   "4962995"   "4978974"   "5099488"   "5117303"   "5138621"   "5140598"   "5185758"   "5187610"   "5202893"   "5247529"   "5263036"   "5287216"   "5337325"   "5351259"   "5369659"   "5369661"   "5406411"   "5422754"   "5430572"   "5523617"   "5563472"   "Re33722").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:25
S32	382	(fiber near2 laser or fiber adj2 (cavity or resonator)) and spatial adj2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:26

## EAST Search History

S33	43	fiber same (resonator or cavity) same (spatial adj2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:26
S34	358	S32 not S33	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:36
S35	35	(fiber near2 laser or fiber adj2 (cavity or resonator)) same spatial adj2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:26
S36	330	S34 not S35	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 17:37
S37	2737	(372/6,9,29.016,29.023).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:38
S38	149	S37 and (cavity or resonator) near2 external same fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:21
S39	328	S36 not S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:29
S40	703	Er:YAG	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:29
S41	10	Er:YAG near3 fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:30
S42	67	Erbium near3 YAG with fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:30
S43	65	S42 not S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:37

## EAST Search History

S44	117	Erbium near2 Yttrium adj Aluminum adj Garnet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 19:44
S45	3	Erbium near2 Yttrium adj Aluminum adj Garnet with fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 18:43
S46	264	fiber same (cavity or resonator) same (slit or aperture) same pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:46
S47	2823	fiber same (cavity or resonator) same (slit or aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:45
S48	122	fiber same (cavity or resonator) same filter and spatial adj2 filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:46
S49	118	fiber same (cavity or resonator) same pin adj hole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
S50	54	fiber same (cavity or resonator) same pinhole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 19:48
S51	5	("5212746"   "5926594"   "6204970"   "6384978"   "6628407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 19:50
S52	16	("3624549"   "4949348"   "5008890"   "5067134"   "5111334"   "5115338"   "5170458"   "5226049"   "5237576"   "5251062"   "5291501"   "5321718"   "5375010"   "5379148"   "5432806"   "5485481").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 19:51
S53	7	("4713822"   "4962988"   "5276758"   "5369661"   "5506857"   "5518863"   "5642449").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/05 19:53

## EAST Search History

S54	1238	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 19:45
S55	622	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) and (resonator or cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 19:46
S56	217	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) same (resonator or cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 13:58
S57	26	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) same (resonator or cavity) same fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 10:54
S58	2	("20060187991").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/18 13:24
S59	140	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) with fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 14:34
S60	217	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) same (resonator or cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 13:59
S61	115	S59 not S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 13:59
S62	52	(Erbium or Er) near2 (Yttrium adj Aluminum adj Garnet or YAG) near4 fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/18 17:24
S63	3	(beam adj2 flattening adj2 optics or hexagonal adj2 flattening adj2 collimat\$3 adj2 lens)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:52

## EAST Search History

S64	4	flattening adj2 collimat\$3 adj2 lens	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:21
S65	346	flattening adj2 lens	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:21
S66	6	beam adj2 flattening adj2 lens	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:23
S67	188	flat adj2 top adj2 beam	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:23
S68	1	flat adj2 top adj2 beam same spatial adj2 filter	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:42
S69	215	hexagonal adj2 (lens or optic)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:44
S70	4081	microlens adj2 array	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:54
S71	6400	(microlens adj2 array or hexagonal adj2 (lens or optic)) and spatial adj2 filter	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:55
S72	232	(microlens adj2 array or hexagonal adj2 (lens or optic)) and spatial adj2 filter	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:55
S73	18	(microlens adj2 array or hexagonal adj2 (lens or optic)) same spatial adj2 filter	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/10/18 15:55